Discussion Problems
Step 2: Tens and Ones

Teaching note: For Q2, an A3 copy on card and scissors may be necessary.

National Curriculum Objectives:

Mathematics Year 1: (1N1a) Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
Mathematics Year 1: (1N1b) Count in multiples of twos, fives and tens
Mathematics Year 1: (1N2a) Count, read and write numbers to 50 in numerals
Mathematics Year 1: (1N2b) Given a number, identify one more and one less
Mathematics Year 1: (1N4) Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least

About this resource:

As this resource is aimed at Year 1, we recommend that an adult reads the problem to children who cannot yet access it for themselves.

This resource has been designed for pupils who understand the concepts within this step. It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

We recommend self or peer marking using the answer page provided to promote discussion and self-correction.
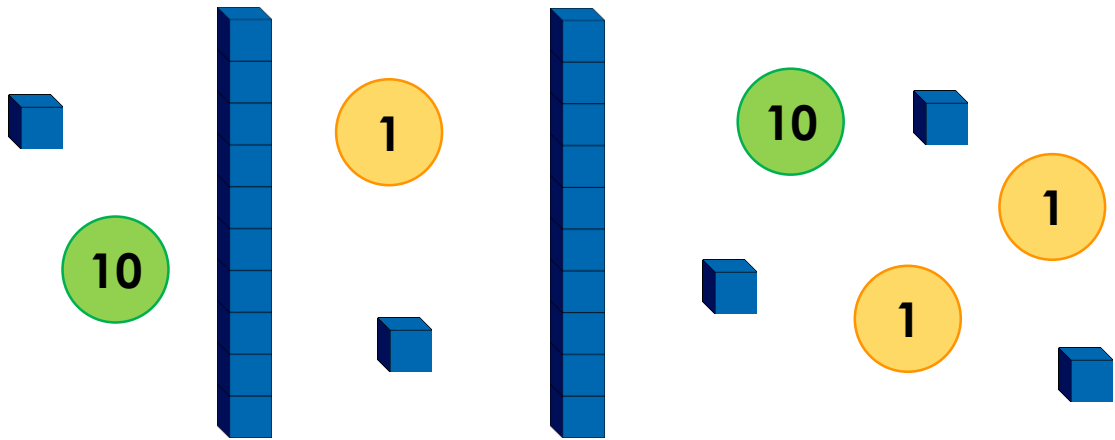
More Year 1 Place Value resources.

Did you like this resource? Don't forget to review it on our website.

Tens and Ones

1. Explore how many 2-digit numbers you can make using the tens and ones below.

The numbers must be greater than 31.
The second digit must be greater than the first digit.

DP

2. With a friend, place the cards face down on a table and take it in turns to select 2 cards. If your cards show the same number, you can keep the pair.

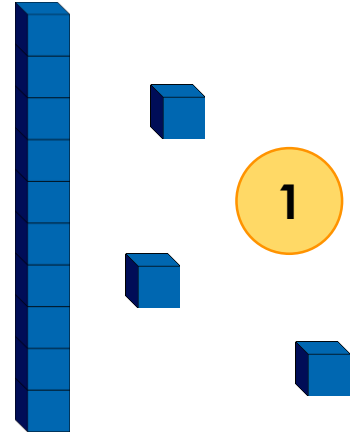|		
1 tens 9 ones	43	3 tens 0 ones
30		

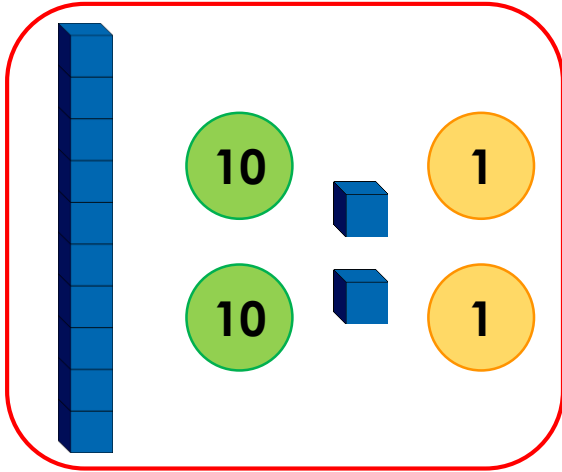21

11

19

3 tens 7 ones

25

50

Which card cannot be paired?

DP

Tens and Ones

1. Explore how many 2-digit numbers you can make using the tens and ones below.

> The numbers must be greater than 31.
> The second digit must be greater than the first digit.

Various answers, for example: 34 (shown above); 46; 48.

DP

2. With a friend, place the cards face down on a table and take it in turns to select 2 cards. If your cards show the same number, you can keep the pair.

1 tens 9 ones	**19**

3 tens 0 ones	**30**

43	

11	10 1

50	

21	10 1 10

3 tens 7 ones	

25

Which card cannot be paired? 25

DP